

Title (en)
Coated stent for release of active agents

Title (de)
Beschichteter Stent für die Freisetzung aktiver Substanzen

Title (fr)
Stent revêtu pour la libération d'un principe actif

Publication
EP 1362603 A3 20031217 (EN)

Application
EP 03010570 A 20030512

Priority
JP 2002138735 A 20020514

Abstract (en)
[origin: EP1362603A2] Disclosed herein is a stent which is composed of a stent main body and a biologically/physiologically active substance stably supported thereon without the possibility of decomposition and degradation, the biologically/physiologically active substance releasing itself at a maximum rate within two periods of at least 10 days and 30-60 days after implanting at a lesion. The stent includes a stent main body, a biologically/physiologically active substance layer formed thereon from at least one kind of biologically/physiologically active substance, and a polymer layer of biodegradable polymer completely covering the biologically/physiologically active substance layer, the polymer layer containing a water-soluble substance dispersed therein which elutes in a living body to form pores in the polymer layer, with the elution of the water-soluble substance controlling the initial release of the biologically/physiologically active substance through the pores and the decomposition of the biodegradable polymer controlling the secondary release of the biologically/physiologically active substance. <IMAGE>

IPC 1-7
A61L 31/16; **A61L 31/14**; **A61L 31/10**; **A61F 2/06**

IPC 8 full level
A61F 2/91 (2013.01); **A61F 2/915** (2013.01); **A61L 31/10** (2006.01); **A61L 31/14** (2006.01); **A61L 31/16** (2006.01); **A61F 2/00** (2006.01)

CPC (source: EP US)
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Citation (search report)
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